

Abstract of the Disclosure

An apparatus and method are detailed that allows for improved detection of communication devices and/or doublers in an associated physical communication links, in particular on HDSL communication links. The improved device apparatus and method additionally allows for the communication device to identify when all devices on a communication link have been detected and prevent premature termination of a discovery process. The improved device apparatus and method also allows the avoidance of improper detection of communication devices or doublers due to corrupted discovery response messages.